Tyler Lian

Instructional Student Assistant



Education

09.2018 -06.2021

California Polytechnic State University San Luis Obispo, Computer Science, Bachelors of Science

Relevant Course Work: Introduction to Cybersecurity – Data Structures – Object-Oriented Programming and Design – Introduction to Computer Organization – Introduction to Operating Systems – Systems Programming – Discrete Structures – Theory of Computation – Introduction to Software Engineering

Grade Point Average: 3.2



Experience

09.2019 present

Computer Science Professor Aid

Data Structures and Fundamentals Instructional Student Assistant

- Create thorough grading scripts in order to test all the functionalities of students'
 code according to a rubric provided by the professor
- Guide students through project-based assignments to understand complex data structures and recursive algorithms
- Make learning more interesting with real-life examples to keep students engaged
- Focus on mostly stacks, heaps, binary search trees, linked-lists, queues, Huffman trees, hashes, depth-first search, breadth-first search, and graphs

06.2018 -

Al & Digital Experiences Intern

08.2018

Accenture Tech Labs: Digital Experiences

- Worked on an AI based project known as 'Repair Assistant'
- Employed critical thinking and problem-solving abilities to continually learn and complete assignments in a previously unfamiliar field
- Utilized Python and TensorFlow to set up an application to automatically segment images



Projects

10.2020

Quarantine Resume

- Produced a website to easily share resume online because of COVID-19
- Created with React and hosted on GitHub Pages: tylerlian@github.io

04.2020

Canvas Auto-Grader

- Constructed to simplify grading and critiquing hundreds of student projects
- Established with the use of Python scripting and Tkinter's graphical user interface

10.2019

Unrailed

- Created a user interactive game in Java
- Utilized object oriented principles such as inheritance and polymorphism

08.2018

Repair Assistant

- Produced an AI-based application that utilizes Python and TensorFlow to automatically segment photos
- Trained the model based on a photo database of over thousands of photos to accurately distinguish objects



Personal Info

Address

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Phone

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E-mail

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LinkedIn

linkedin.com/in/tyler-lian



Skills

Python

Java

C

Linux

React

Git

Strong Work Ethic

Fast Learner

Inquisitive



Hobbies

Baking

Knitting

Male Hairdressing

Bowling

Ultimate Frisbee